

What is Claimed is:

1. A method for providing emission reduction benefits using a carbon management application, the method comprising:

generating emission reduction benefits from an emission reducing project;

storing the emission reduction benefits in a warehouse;

verifying the stored emission reduction benefits; and

providing the emission reduction benefits to a plurality of buyers.

2. The method of claim 1, wherein the providing further comprises:

dividing the emission reduction benefits into a plurality of smaller benefits; and

providing the plurality of smaller benefits to a plurality of buyers.

3. The method of claim 1, wherein the generating further comprises:

assessing a supplier in connection with carbon dioxide equivalent emissions of the supplier;

creating the emission reducing project based at least in part on the assessment; and

converting the emission reducing project to a volume of emission reduction benefits.

4. The method of claim 1, wherein the emission reduction benefits are a basket of emission reduction benefits.

5. The method of claim 1, further comprising allowing a broker and the supplier to determine an approach for creating the emission reducing project.

6. The method of claim 1, wherein the providing further comprises allowing a marketing agent and the warehouse to determine an approach for providing the emission reduction benefits to the plurality of buyers.

7. The method of claim 1, wherein the storing further comprises providing the warehouse with a certificate that corresponds to the emission reduction benefits.

8. The method of claim 1, wherein the verifying further comprises allowing an auditor to verify the emission reduction benefits.

9. The method of claim 1, further comprising providing the plurality of buyers with an opportunity to purchase at least a portion of the emission reduction benefits.

10. The method of claim 1, further comprising:

receiving an indication from at least one of the plurality of buyers to purchase at least a portion of the emission reduction benefits; and

providing the at least one of the plurality of buyers with an emission retirement guarantee for the at least a portion of the emission reduction benefits.

11. The method of claim 1, further comprising providing the plurality of buyers with a listing display that displays a plurality of emission reducing projects.

12. The method of claim 1, further comprising providing each of the plurality of buyers with an opportunity to search for the emission reducing project.

13. A method for the electronic trading of emission reduction benefits using a carbon management application, the method comprising:

assessing a supplier in connection with carbon dioxide equivalent emissions of the supplier;

creating an emission reducing project based at least in part on the assessment;

converting the emission reducing project to a volume of emission reduction benefit;

storing the volume of emission reduction benefit in a warehouse;

receiving a request from a buyer to purchase at least a portion of the volume of emission reduction benefit; and

in response to receiving the request, providing the buyer with an emission retirement guarantee, wherein the emission retirement guarantee prevents the emission reduction benefit in the warehouse from being repurchased.

14. The method of claim 13, wherein the providing further comprises:

dividing the emission reduction benefit into a plurality of smaller benefits; and

providing the plurality of smaller benefits to the buyer.

15. The method of claim 13, wherein the emission reduction benefit is a basket of emission reduction benefits.

16. The method of claim 13, further comprising allowing a broker and the supplier to determine an approach for creating the emission reducing project.

17. The method of claim 13, further comprising allowing a marketing agent and the warehouse to determine an approach for providing the volume of emission reduction benefit to the buyer.

18. The method of claim 13, wherein the storing further comprises providing the warehouse with a certificate that corresponds to the volume of emission reduction benefit.

19. The method of claim 13, wherein the verifying further comprises allowing an auditor to verify the volume of emission reduction benefit in the warehouse.

20. The method of claim 13, further comprising providing the buyer with a listing display that displays a plurality of emission reducing projects.

21. The method of claim 13, further comprising providing the buyer with an opportunity to search for the emission reducing project.

22. A method for providing emissions neutral products and services using a carbon management application, the method comprising: /

receiving a request from a buyer to purchase a volume of emission reduction benefits from a warehouse;

in response to receiving the request, providing the buyer with an emission retirement guarantee, wherein the emission retirement guarantee prevents the emission reduction benefit in the warehouse from being repurchased;

associating the provided emission retirement guarantee with at least one of a product and a service, wherein the associating makes the at least one of a product and a service emissions neutral when the buyer has purchased a given amount of emission retirement guarantees;

certifying that the buyer has purchased the given amount of emission retirement guarantees; and

providing a customer with the at least one of a product and a service that is emissions neutral.

23. A method for providing emission neutral processes using an carbon management application, the method comprising: /

receiving a request from a buyer to purchase a volume of emission reduction benefits from a warehouse;

in response to receiving the request, providing the buyer with an emission retirement guarantee, wherein the emission retirement guarantee

prevents the emission reduction benefit in the warehouse from being repurchased; and

associating the provided emission retirement guarantee with a process, wherein the associating makes the process emissions neutral when the buyer has purchased a given amount of emission retirement guarantees;

certifying that the buyer has purchased the given amount of emission retirement guarantees; and

allowing the buyer to convert a process to an emissions neutral process based at least in part on the certification.

24. A method for assessing emissions neutrality using a carbon management application, the method comprising:

assessing a buyer, wherein the assessment comprises evaluating at least one of a product, a service, and a process of the buyer;

determining a volume of emission retirement guarantees that a buyer has to purchase to become emission neutral ("TOTAL EMISSION RETIREMENT GUARANTEES") based at least in part on the assessment;

receiving a request from the buyer to purchase an emission retirement guarantee, wherein the purchased emission retirement guarantee is added to a total purchased volume of emission retirement guarantees ("PURCHASED EMISSION RETIREMENT GUARANTEES"); and

providing the buyer with a notification indicating emissions neutrality when  $\text{PURCHASED EMISSION RETIREMENT GUARANTEES} \geq \text{TOTAL EMISSION RETIREMENT GUARANTEES}$ .

25. An apparatus for providing emission reduction benefits, the apparatus comprising:

a server storage device;

a server processor connect to the server storage device, the server storage device storing a program for controlling the server processor;

a plurality of workstations, each of the plurality of workstations operative to communicate with the server, each of the workstations comprising:

a workstation storage device;

a workstation processor connected to the workstation storage device, the workstation storage device storing a workstation program for controlling the workstation processor, the workstation processor operative with the workstation program to:

generate emission reduction benefits from an emission reducing project;

store the emission reduction benefits in a warehouse;

verify the stored emission reduction benefits; and

provide the emission reduction benefits to a plurality of buyers.

26. The apparatus of claim 25 wherein the workstation processor is further configured to:

divide the emission reduction benefits into a plurality of smaller benefits; and

provide the plurality of smaller benefits to a plurality of buyers.

27. The apparatus of claim 25 wherein the workstation processor is further configured to:

assess a supplier in connection with carbon dioxide equivalent emissions of the supplier; creating the emission reducing project based at least in part on the assessment; and

convert the emission reducing project to a volume of emission reduction benefits.

28. The apparatus of claim 25, wherein the emission reduction benefits are a basket of emission reduction benefits.

29. The apparatus of claim 25, wherein the workstation processor is further configured to allow a broker and the supplier to determine an approach for creating the emission reducing project.

30. The apparatus of claim 25, wherein the workstation processor is further configured to allow a marketing agent and the warehouse to determine an approach for providing the emission reduction benefits to the plurality of buyers.

31. The apparatus of claim 25, wherein the workstation processor is further configured to provide the warehouse with a certificate that corresponds to the emission reduction benefits.

32. The apparatus of claim 25, wherein the workstation processor is further configured to allow an auditor to verify the emission reduction benefits.

33. The apparatus of claim 25, wherein the workstation processor is further configured to provide the plurality of buyers with an opportunity to purchase at least a portion of the emission reduction benefits.



34. The apparatus of claim 25, wherein the workstation processor is further configured to:

receive an indication from at least one of the plurality of buyers to purchase at least a portion of the emission reduction benefits; and

provide the at least one of the plurality of buyers with an emission retirement guarantee for the at least a portion of the emission reduction benefits.

35. The apparatus of claim 25, wherein the workstation processor is further configured to provide the plurality of buyers with a listing display that displays a plurality of emission reducing projects.

36. The apparatus of claim 25, wherein the workstation processor is further configured to provide each of the plurality of buyers with an opportunity to search for the emission reducing project.

37. An apparatus for providing emission reduction benefits, the apparatus comprising:

a server storage device;

a server processor connect to the server storage device, the server storage device storing a program for controlling the server processor;

a plurality of workstations, each of the plurality of workstations operative to communicate with the server, each of the workstations comprising:

a workstation storage device;

a workstation processor connected to the workstation storage device, the workstation storage device storing a workstation program for

controlling the workstation processor, the workstation processor operative with the workstation program to:

    assess a supplier in connection with carbon dioxide equivalent emissions of the supplier;

    create an emission reducing project based at least in part on the assessment;

    convert the emission reducing project to a volume of emission reduction benefit;

    store the volume of emission reduction benefit in a warehouse;

    receive a request from a buyer to purchase at least a portion of the volume of emission reduction benefit; and

    provide the buyer with an emission retirement guarantee in response to receiving the request, wherein the emission retirement guarantee prevents the emission reduction benefit in the warehouse from being repurchased.

38. The apparatus of claim 37, wherein the workstation processor is further configured to:

    divide the emission reduction benefit into a plurality of smaller benefits; and

    provide the plurality of smaller benefits to the buyer.

39. The apparatus of claim 37, wherein the emission reduction benefit is a basket of emission reduction benefits.

40. The apparatus of claim 37, wherein the workstation processor is further configured to allow a

broker and the supplier to determine an approach for creating the emission reducing project.

41. The apparatus of claim 37, wherein the workstation processor is further configured to allow a marketing agent and the warehouse to determine an approach for providing the volume of emission reduction benefit to the buyer.

42. The apparatus of claim 37, wherein the workstation processor is further configured to provide the warehouse with a certificate that corresponds to the volume of emission reduction benefit.

43. The apparatus of claim 37, wherein the workstation processor is further configured to allow an auditor to verify the volume of emission reduction benefit in the warehouse.

44. The apparatus of claim 37, wherein the workstation processor is further configured to provide the buyer with a listing display that displays a plurality of emission reducing projects.

45. The apparatus of claim 37, wherein the workstation processor is further configured to provide the buyer with an opportunity to search for the emission reducing project.

46. An apparatus for providing emissions neutral products and services using a carbon management application, the apparatus comprising:  
a server storage device;

a server processor connect to the server storage device, the server storage device storing a program for controlling the server processor;

a plurality of workstations, each of the plurality of workstations operative to communicate with the server, each of the workstations comprising:

a workstation storage device;

a workstation processor connected to the workstation storage device, the workstation storage device storing a workstation program for controlling the workstation processor, the workstation processor operative with the workstation program to:

receive a request from a buyer to purchase a volume of emission reduction benefits from a warehouse;

provide the buyer with an emission retirement guarantee in response to receiving the request, wherein the emission retirement guarantee prevents the emission reduction benefit in the warehouse from being repurchased;

associate the provided emission retirement guarantee with at least one of a product and a service, wherein the associating makes the at least one of a product and a service emissions neutral when the buyer has purchased a given amount of emission retirement guarantees;

certify that the buyer has purchased the given amount of emission retirement guarantees; and

provide a customer with the at least one of a product and a service that is emissions neutral.

47. An apparatus for providing emission neutral processes using an carbon management application, the apparatus comprising:

a server storage device;

a server processor connect to the server storage device, the server storage device storing a program for controlling the server processor;

a plurality of workstations, each of the plurality of workstations operative to communicate with the server, each of the workstations comprising:

a workstation storage device;

a workstation processor connected to the workstation storage device, the workstation storage device storing a workstation program for controlling the workstation processor, the workstation processor operative with the workstation program to:

receive a request from a buyer to purchase a volume of emission reduction benefits from a warehouse;

provide the buyer with an emission retirement guarantee in response to receiving the request, wherein the emission retirement guarantee prevents the emission reduction benefit in the warehouse from being repurchased; and

associate the provided emission retirement guarantee with a process, wherein the associating makes the process emissions neutral when the buyer has purchased a given amount of emission retirement guarantees;

certify that the buyer has purchased the given amount of emission retirement guarantees; and

allow the buyer to convert a process to an emissions neutral process based at least in part on the certification.

48. An apparatus for assessing emissions neutrality using a carbon management application, the apparatus comprising:

a server storage device;

a server processor connect to the server storage device, the server storage device storing a program for controlling the server processor;

a plurality of workstations, each of the plurality of workstations operative to communicate with the server, each of the workstations comprising:

a workstation storage device;

a workstation processor connected to the workstation storage device, the workstation storage device storing a workstation program for controlling the workstation processor, the workstation processor operative with the workstation program to:

assess a buyer, wherein the assessment comprises evaluating at least one of a product, a service, and a process of the buyer;

determine a volume of emission retirement guarantees that a buyer has to purchase to become emission neutral ("TOTAL EMISSION RETIREMENT GUARANTEES") based at least in part on the assessment; receiving a request from the buyer to purchase an emission retirement guarantee, wherein the purchased emission retirement guarantee is added to a total purchased volume of emission retirement guarantees ("PURCHASED EMISSION RETIREMENT GUARANTEES"); and

provide the buyer with a

notification indicating emissions neutrality when  
PURCHASED EMISSION RETIREMENT GUARANTEES  $\geq$  TOTAL  
EMISSION RETIREMENT GUARANTEES.